

PUB-N0: JP411163873A
DOCUMENT-IDENTIFIER: JP 11163873 A
TITLE: ATM NETWORK DATA PROCESSING ADDING DEVICE

PUBN-DATE: June 18, 1999

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APPL-N0: JP09324712
APPL-DATE: November 26, 1997

INT-CL (IPC): H04L 12/28; H04Q 3/00

ABSTRACT:

PROBLEM TO BE SOLVED: To reduce the processing load of a CPU and to accelerate data transfer speed by passing through a processing request to an MPOA data processing part when a local bus controlling part receives the processing request, processing it when the MPOA data processing part can processing it and requesting the CPU to process it via a system bus controlling part when it can not process it.

SOLUTION: In this ATM network data processing adding device 40, a system bus controlling part 41 is connected to a system bus 30 and a local bus controlling part 42 is connected to a local bus 50. The part 42 receives a processing request to a CPU and request an MPOA data processing part 44 for processing. When the part 44 notifies the part 41 of a CPU processing request, the part 41 sends the request to the system bus and gives a processed result from the CPU to the part 44 or the part 42. The part 42 sends the processed result to the bus 50.

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